

## CLAIMS

What is claimed is:

1           1. A method for conserving bandwidth between a wireless device and a  
2 wireless service in a system in which message data are synchronized between  
3 said wireless device and said service comprising:

4           entering a batch processing mode under certain specified conditions  
5 wherein message transaction updates conducted at said wireless device and/or  
6 said service are combined according to a set of batch processing parameters  
7 and transmitted together to said service and/or said wireless device, respectively.

1           2. The method as in claim 1 wherein one of said specified conditions is a  
2 length of time during which no message transactions are initiated at said device  
3 and/or said service.

1           3. The method as in claim 1 wherein one of said specified conditions is a  
2 length of time that said wireless device is out of range.

1           4. The method as in claim 1 wherein one of said specified conditions is  
2 manual selection of said batch processing mode by a user.

1           5. The method as in claim 1 wherein one of said batch processing  
2 parameters comprises transmitting said combined message transaction updates  
3 after predetermined intervals of time.

1           6. The method as in claim 1 wherein one of said batch processing  
2 parameters comprises transmitting said combined message transaction updates  
3 after a predetermined number of updates have accrued.

1           7. The method as in claim 1 wherein one of said batch processing  
2 parameters comprises transmitting said combined message transaction updates  
3 after said combined message transaction updates have reached a  
4 predetermined size.

1           8. The method as in claim 1 wherein one of said message transaction  
2 updates comprises a deletion of a message.

1           9. The method as in claim 1 wherein said messages are email  
2 messages.

1           10. A computer-implemented method comprising:  
2           determining whether a plurality of message transaction conditions are met  
3 in a data processing device and/or service with which said data processing  
4 device is synchronized;  
5           entering into a batch processing mode for batch processing said  
6 synchronization updates between said wireless data processing device and a  
7 service if said message transaction conditions are met; and  
8           batch processing said synchronization updates between said wireless  
9 data processing device and said service based on one or more batch processing  
10 parameters.

1           11. The method as in claim 10 wherein one of said message transaction  
2 conditions is a predetermined length of time during which synchronization  
3 updates between said wireless data processing device and said service are not  
4 performed.

1           12. The method as in claim 10 wherein one of said message transaction  
2 conditions comprises manual selection of said batch processing mode by a user.

1           13. The method as in claim 10 wherein one of said message transaction  
2 conditions comprises said device being out of range from said service for a  
3 predetermined period of time.

1           14. The method as in claim 10 further comprising:  
2           determining whether one or more standard message processing  
3 conditions are met; and  
4           exiting said batch processing mode if said one or more standard message  
5 processing conditions are met.

1           15. The method as in claim 14 wherein one of said standard message  
2 processing conditions comprises successive message transaction updates  
3 occurring at periodic intervals greater than a predetermined threshold.

1           16. The method as in claim 10 wherein one of said synchronization  
2 updates comprises a deletion of an email message.

1           17. The method as in claim 10 wherein one of said synchronization  
2 updates comprises transmission of a message.

1  
1 18. The method as in claim 10 wherein said synchronization updates are  
2 performed on email messages.

1 19. A system for synchronizing messages between a wireless device and  
2 a service comprising:

3 message transaction detection logic to determine whether a plurality of  
4 message transaction conditions are met in a data processing device and/or  
5 service with which said data processing device is synchronized;

6 batch processing logic to batch process synchronization updates between  
7 said wireless data processing device and a service if said message transaction  
8 conditions are met, said batch processing performed based on one or more  
9 batch processing parameters.

1 20. The system as in claim 19 wherein one of said message transaction  
2 conditions is a predetermined length of time during which synchronization  
3 updates between said wireless data processing device and said service are not  
4 performed.

1 21. The system as in claim 19 wherein one of said message transaction  
2 conditions comprises manual selection of said batch processing mode by a user.

1 22. The system as in claim 19 wherein one of said message transaction  
2 conditions comprises said device being out of range from said service for a  
3 predetermined period of time.

1 23. The system as in claim 19 further comprising:

2 standard message processing logic to determine whether one or more  
3 standard message processing conditions are met, said system exiting said batch  
4 processing mode if said one or more standard message processing conditions  
5 are met.

1 24. The system as in claim 13 wherein one of said standard message  
2 processing conditions comprises successive message transaction updates  
3 occurring at periodic intervals greater than a predetermined threshold.

1 25. The method as in claim 19 wherein one of said synchronization  
2 updates comprises a deletion of an email message.

1 26. The method as in claim 10 wherein one of said synchronization  
2 updates comprises transmission of a message.